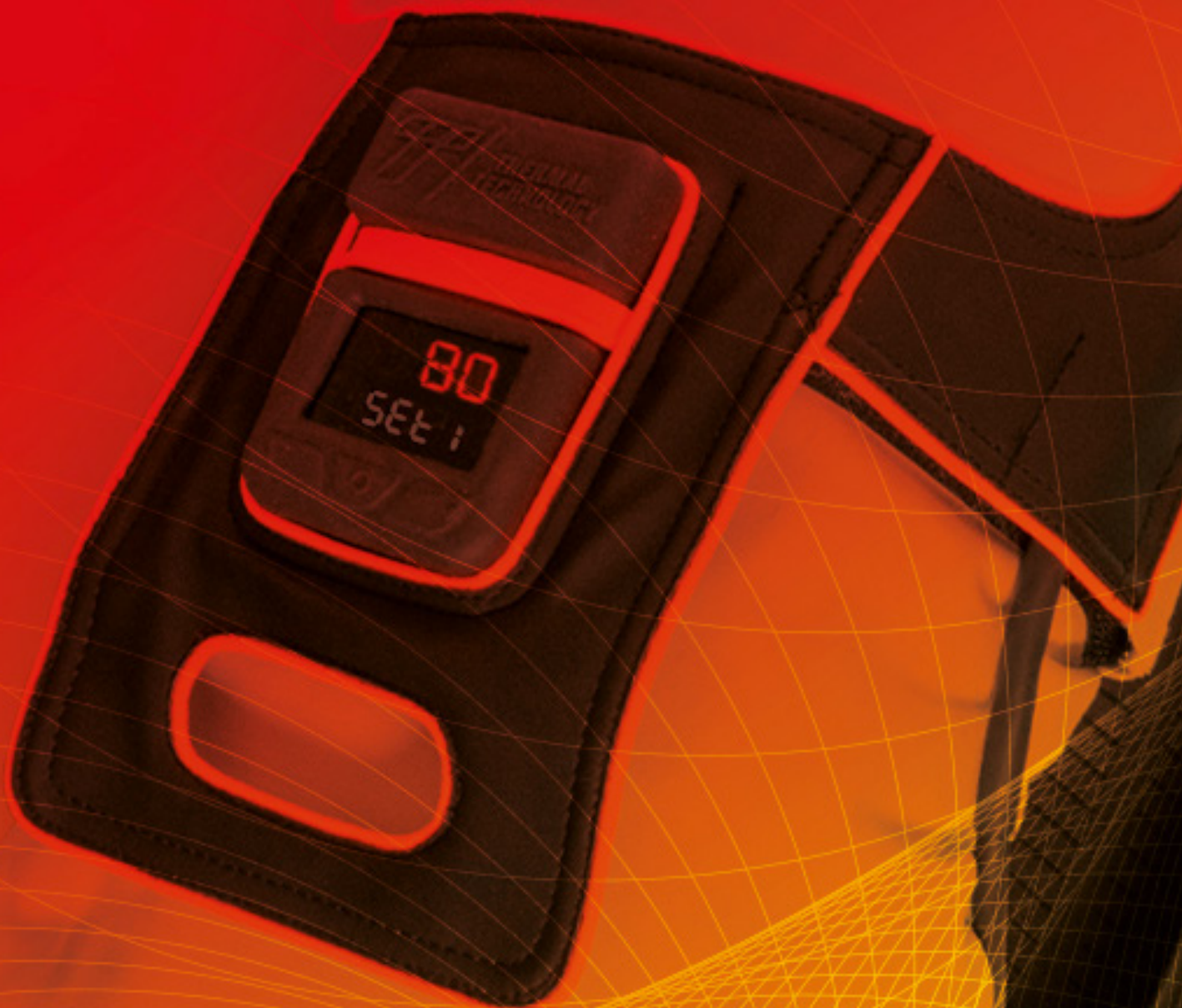


CARBON FIBER

TYREWARMER

CATALOGUE 2021



**HEAT
THE RACE!**





*Thermal Technology was born in 2001 using **carbon fiber as resistive element.***

THE FIRST TYREWARMER WITH CARBON FIBER



Thermal Technology was born in 2001 using carbon fiber as resistive element.

After many tests and studies, Thermal Technology decides to try the use of carbon as an heating element which builds electric blankets, this is used for the heating in competition motorbikes' tyres.

Due to the excellent results obtained at the end of 2003, Thermal Technology builds the first production line for electric blankets in the industrial and racing field, becoming technical partner of top Champion teams.

In 2004, Thermal Technology becomes supplier of a famous Formula One Championship Team.

In 2005 Thermal Technology applies the heating technology in the residential use environment. These applications bring the company to a wide development of products. Nowadays products' catalogue in the housing field is wide and it gains an important role in the company business.

The applications in the Racing field have never been leaved apart, the collaboration with top worldwide Championship teams have always been taken in great consideration. Nowadays there are important synergies with the teams in all categories: from MotoGP to Moto2, from Moto3 to National and International Superbikes.

Thermal Technology racing products are now developed and distributed from Rimatek, an Italian company specialized in the realization of heating elements for both Racing and Industrial fields.

Tyrewarmer
Technology for race bikers and professional teams.

The use of tyrewarmers is essential in every level of motorbikes' competition: both for amateur use and for professional use.

To ensure maximum adherence and last longer, tyres have to be preheated.

Ducati of Team Angel Nieto, Ducati of Aruba and Barni Racing, BMW of Althea, SBK, Aprilia of MilwaukeeTeam and many others use Thermal Technology tyrewarmers.

The carbon fiber technology used is the same for amateur products and for teams' products.

Ducati Corse Technical Partner



Multi Zone Technology

Since 2011, the first company to include independent zones inside the tyre warmer to optimize the temperature. The pursuit of maximum performance has brought Thermal Technology to introduce technical innovations to fully optimize the heating of the tyre. Three independent zones to uniformly heat both the tread and the rim. All monitored by special control units.



TRADITIONAL TYREWARMERS Heat naturally tends to rise. This effect generates a temperature difference between the bottom and top.



DUAL ZONE Our Dual Zone tyre warmer has two independent zones to heat the tyre uniformly. The sensors on the tyre blanket allow the control unit to compensate for the stack effect of traditional tyre blankets.



TRI ZONE The top-of-the-line model that also heats the rim used by world championship teams. A further evolution of the top-of-the-range model led to the integration of rim heating in the tyre warmer.

SPECIFICATIONS Evolution of the top of the range with independent Rim heating.

- Dual zone temperature adjustment
- Integrated rim heater with independent temperature adjustment
- Temperature adjustment with integrated control unit
- Setpoint range 0 - 130°C
- Nomex non-flammable internal and external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape

SIZES
 L 180
 XL 190/200
 XXL > 205

* S and M size on request

* Colors and personalization on request

COLORS



EVO TRI ZONE



SPECIFICATIONS Maximum level model used from Worldwide Championship teams.

- Dual zone temperature adjustment
- Temperature adjustment with integrated control unit
- Setpoint range 0 - 120°C
- Nomex non-flammable internal and external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape

SIZES
 L 180
 XL 190/200
 XXL > 205

* S and M size on request

* Colors and personalization on request

COLORS



EVO DUAL ZONE



RACE

SPECIFICATIONS Simple and Integrated Electronic management.

- Heating regulation with integrated electronic controller
- Selectable Setpoint : 50/90/110°C
- Rubberized external fabric, flame retardant
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape
- Nomex non-flammable internal fabric

SIZES

- S 120
- M 160
- L 180
- XL 190/200
- XXL > 205

* Colors and personalization on request

COLORS



SPECIFICATIONS Well-built for professional use and for fixed temperature.

- Heating regulation with bimetallic thermostat 85°C
- Cordura effect Polyester external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape
- Aramidic internal fabric
- Neoprene elastic skirt

SIZES

- S 120
- M 160
- L 180
- XL 190/200
- XXL > 205

* Colors and personalization on request

COLORS



PRO



SPECIFICATIONS The best quality/price ratio

- Heating regulation with bimetallic thermostat 85°C
- Resined Nylon external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape
- Cotton internal fabric
- Elastic cord on skirt

SIZES

- XXXS Ø 6,5"
- XXS Ø 10"
- XS Ø 12"
- H Ø 18"
- S 120
- M 160
- L 180
- XL 190/200
- XXL > 205

COLORS



PERFORMANCE



SPECIFICATIONS Easy and functional.

- Heating regulation with bimetallic thermostat 85°C
- Polyester external fabric
- Insulation with reflective layer
- Heating element with transversal shape
- Cotton internal fabric

SIZES

- S 120
- M 160
- L 180
- XL 190/200
- XXL > 205

COLORS



EASY





SUPERMOTO

SPECIFICATIONS Tyrewarmer built with specific features for supermotard specialty.

- Digital temperature control
- 3 selectable Setpoint 45° / 75° / 85°
- Improved shoulder heating
- Heating element with transversal and longitudinal shape
- Fit to tire size 160

SIZES
M 160

COLORS



PIT BIKE

SPECIFICATIONS Tyrewarmers dedicated to the Pit Bike world.

- Heating regulation with bimetallic thermostat 85°C
- Resined nylon external fabric
- Insulation with reflective layer
- Heating element with transversal and longitudinal shape
- Cotton internal fabric
- Elastic cord on skirt

SIZES
XXS Ø 10"
XS Ø 12"

COLORS



CLASSIC

SPECIFICATIONS Thermal blanket with features similar to the Performance model but specifically designed for classic motorcycles and for modern motorcycles with vintage style when they are used on the track. The couple of tyrewarmers is supplied in a case bag.

- Heating regulation with bimetallic thermostat 85°C
- Resined nylon external fabric
- Insulation with reflective layer
- Heating element with transversal shape
- Cotton internal fabric
- Elastic cord on skirt

SIZES
FRONT 100/90 18
110/80/18
REAR 130/80 R17
150/80 R18

COLORS



FUEL CAN COVER - TANK COVER

SPECIFICATIONS

- Silver reflective fabric
- Customizable with logos

SPECIFICATIONS

- Wind stopper front and rear Moto 3
- Wind stopper front and rear MotoGP-SBK-Moto2



WIND PROTECTION

SPECIFICATIONS

- Aluminium Tyre-Rack, easy disassembled, including transport bag, central canal wired with No. 10 of 220V sockets
- Aluminium Tyre-Rack, easy disassembled, including transport bag and comes pre-wired for No.10 pairs wheels with integrated electronic controller



TYRE RACK

SPECIFICATIONS

- Electronic controller units with 2 independent outputs



ELECTRONIC CONTROLLER UNIT



Team Service

TAILOR MADE The company follows the major championships directly or through distributors. It provides the teams with a wide-ranging service, from the inspection of all the equipment at the end of the season to the total customization of the product, both in terms of look and – most importantly – features. In addition to the simple application of the team logos on the tyre warmers, we can create completely customized products for the colours of the fabric

MONITORING DISPLAY It is an embedded display with robust electronics that:

- shows in real time the conditions of the tyre warmers, temperatures, and pressures inside the tyre
- shows the graph of the temperature and pressure trend
- saves the data of the single tyre and allows you to recover it later
- is compatible with LDL, 2D, McLaren, I2m TPMS systems



We live the competitions as a reference point for the development of new and always more innovative products

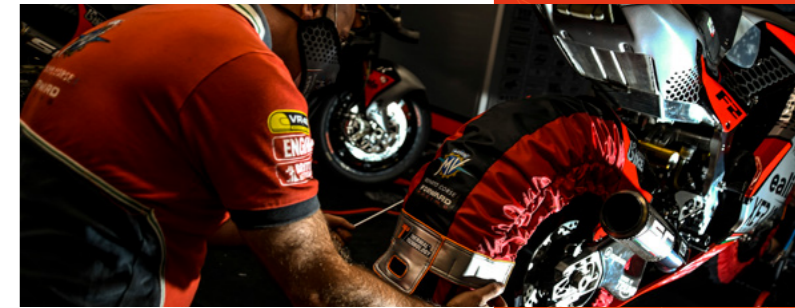
Thermal Technology began producing tyre warmers in 2003, starting the collaboration with the teams participating in the world championships.

The development on the track has always been a point of reference for the technological growth of our products; over time, the number of innovative solutions introduced has established new standards in the sector

Thermal Technology was the first to supply the Tyrewarmers for the starting grid when in 2005 and in the following years it was forbidden to use generators in the grid. Also it was the first to supply specific wind stopper covers.

In 2008 Thermal Technology build the first tyrewarmer with integrated control unit for MotoGP team.

Nowadays we are keeping on the development of products with the best teams in MotoGP and in Superbike Championships.





Partner
Tecnico



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